

CRF Errors Corrected by the STIC Systems Branch

Serial Number: 09/706,507A

CRF Processing Date: 7/9/95
 Edited by: A
 Verified by: A (sta)

ENTERED

RECEIVED
 JUL 11 1995
 TECH CENTER

- ☐ Changed a file from non-ASCII to ASCII
- ☐ Changed the margins in cases where the sequence text was "wrapped" down to the next line.
- ☐ Edited a format error in the Current Application Data section, specifically: _____
- ☐ Edited the Current Application Data section with the actual current number. The number inputted by the applicant was ☐ the prior application data; or ☐ other _____
- ☐ Added the mandatory heading and subheadings for "Current Application Data".
- ☐ Edited the "Number of Sequences" field. The applicant spelled out a number instead of using an integer.
- ☐ Changed the spelling of a mandatory field (the headings or subheadings), specifically: _____
- ☐ Corrected the SEQ ID NO when obviously incorrect. The sequence numbers that were edited were: _____
- ☐ Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited: _____
- ☐ Corrected subheading placement. All responses must be on the same line as each subheading. If the applicant placed a response below the subheading, this was moved to its appropriate place.
- ☐ Inserted colons after headings/subheadings. Headings edited included: _____
- ☒ Deleted extra, invalid, headings used by an applicant, specifically:
duplicate C1507 and C1517 lines
- ☒ Deleted: ☒ non-ASCII "garbage" at the beginning/end of files; ☐ secretary initials/filename at end of file;
☐ page numbers throughout text; ☐ other invalid text, such as _____
- ☐ Inserted mandatory headings, specifically: _____
- ☐ Corrected an obvious error in the response, specifically: _____
- ☐ Edited identifiers where upper case is used but lower case is required, or vice versa.
- ☐ Corrected an error in the Number of Sequences field, specifically: _____
- ☐ A "Hard Page Break" code was inserted by the applicant. All occurrences had to be deleted.
- ☐ Deleted **ending** stop codon in amino acid sequences and adjusted the "(A)Length:" field accordingly (error due to a PatentIn bug). Sequences corrected: _____
- ☐ Other: _____

*Examiner: The above corrections must be communicated to the applicant in the first Office Action. DO NOT send a copy of this form.



1600

RAW SEQUENCE LISTING

DATE: 07/09/2002

PATENT APPLICATION: US/09/706,507A

TIME: 14:56:10

Input Set : N:\AMC\I706507A.raw.txt

Output Set: N:\CRF3\07092002\I706507A.raw

1 <110> APPLICANT: Cambridge Antibody Technology
 2 Cambridge Antibody Technology Limited
 3 Medical Research Council
 4 McCafferty, John
 5 Pope, Anthony
 6 Johnson, Kevin
 7 Hoogenboom, Hendricus
 8 Griffiths, Andrew
 9 Jackson, Ronald
 10 Holliger, Kasper
 11 Marks, James
 12 Clackson, Timothy
 13 Chiswell, David
 14 Winter, Gregory
 15 Bonert, Timothy
 16 <120> TITLE OF INVENTION: Methods for Producing Members of Specific Binding
 17 Pairs
 18 <130> FILE REFERENCE: 13839-00012
 C--> 19 <140> CURRENT APPLICATION NUMBER: US/09/706,507A
 20 <141> CURRENT FILING DATE: 2000-11-03
 21 <150> PRIOR APPLICATION NUMBER: GB 9015198.6
 22 <151> PRIOR FILING DATE: 1990-07-10
 23 <150> PRIOR APPLICATION NUMBER: GB 9022845.3
 24 <151> PRIOR FILING DATE: 1990-10-19
 25 <150> PRIOR APPLICATION NUMBER: GB 9024503.6
 26 <151> PRIOR FILING DATE: 1990-11-12
 27 <150> PRIOR APPLICATION NUMBER: GB 9104744.9
 28 <151> PRIOR FILING DATE: 1991-03-06
 29 <150> PRIOR APPLICATION NUMBER: GB 9110549.4
 30 <151> PRIOR FILING DATE: 1991-05-15
 31 <150> PRIOR APPLICATION NUMBER: PCT/GB91/01134
 32 <151> PRIOR FILING DATE: 1991-07-10
 33 <150> PRIOR APPLICATION NUMBER: US 07/971,857
 34 <151> PRIOR FILING DATE: 1993-01-08
 35 <150> PRIOR APPLICATION NUMBER: US 08/484,893
 36 <151> PRIOR FILING DATE: 1995-06-07
 37 <160> NUMBER OF SEQ ID NOS: 272
 38 <170> SOFTWARE: PatentIn version 3.1
 40 <210> SEQ ID NO: 1
 41 <211> LENGTH: 5
 42 <212> TYPE: PRT
 43 <213> ORGANISM: Bacteriophage fd
 44 <400> SEQUENCE: 1

RAW SEQUENCE LISTING

DATE: 07/09/2002

PATENT APPLICATION: US/09/706,507A

TIME: 14:56:10

Input Set : N:\AMC\I706507A.raw.txt

Output Set: N:\CRF3\07092002\I706507A.raw

```

45      Gln Val Gln Leu Gln
46      1          5
48 <210> SEQ ID NO: 2
49 <211> LENGTH: 5
50 <212> TYPE: PRT
51 <213> ORGANISM: Bacteriophage fd
52 <400> SEQUENCE: 2
53      Val Thr Val Ser Ser
54      1          5
56 <210> SEQ ID NO: 3
57 <211> LENGTH: 5
58 <212> TYPE: PRT
59 <213> ORGANISM: Bacteriophage fd
60 <400> SEQUENCE: 3
61      Leu Glu Ile Lys Arg
62      1          5
64 <210> SEQ ID NO: 4
65 <211> LENGTH: 75
66 <212> TYPE: DNA
67 <213> ORGANISM: Artificial Sequence
68 <220> FEATURE:
69 <223> OTHER INFORMATION: oligonucleotide for mutagenesis
70 <400> SEQUENCE: 4
71      actttcaaca gtttctgcgg ccgcccgttt gatctcgagc tcttcgagtt ggacctgtgc 60
72      actgtgagaa tagaa 75
74 <210> SEQ ID NO: 5
75 <211> LENGTH: 22
76 <212> TYPE: DNA
77 <213> ORGANISM: Artificial Sequence
78 <220> FEATURE:
79 <223> OTHER INFORMATION: PCR primer
80 <400> SEQUENCE: 5
81      aggtgcagct gcaggagtca gg 22
83 <210> SEQ ID NO: 6
84 <211> LENGTH: 34
85 <212> TYPE: DNA
86 <213> ORGANISM: Artificial Sequence
87 <220> FEATURE:
88 <223> OTHER INFORMATION: PCR primer
89 <400> SEQUENCE: 6
90      ggtgacctcg agtgaagatt tgggctcaac tttc 34
92 <210> SEQ ID NO: 7
93 <211> LENGTH: 27
94 <212> TYPE: DNA
95 <213> ORGANISM: Artificial Sequence
96 <220> FEATURE:
97 <223> OTHER INFORMATION: PCR primer
98 <400> SEQUENCE: 7
99      tgaggacwcw gccgtctact actgtgc 27

```

RAW SEQUENCE LISTING

DATE: 07/09/2002

PATENT APPLICATION: US/09/706,507A

TIME: 14:56:10

Input Set : N:\AMC\I706507A.raw.txt

Output Set: N:\CRF3\07092002\I706507A.raw

```

101 <210> SEQ ID NO: 8
102 <211> LENGTH: 24
103 <212> TYPE: DNA
104 <213> ORGANISM: Artificial Sequence
105 <220> FEATURE:
106 <223> OTHER INFORMATION: oligonucleotide probe distinguishing between pAb D1.3
107     and pAB NQ1
108     1
109 <400> SEQUENCE: 8
110     gtagtcaagc ctataatctc tctc
111                                     24
112 <210> SEQ ID NO: 9
113 <211> LENGTH: 51
114 <212> TYPE: DNA
115 <213> ORGANISM: Artificial Sequence
116 <220> FEATURE:
117 <223> OTHER INFORMATION: PCR primer
118 <400> SEQUENCE: 9
119     tattctcaca gtgcacaaac tgttgaacgg acaccagaaa tgcctgttct g
120                                     51
121 <210> SEQ ID NO: 10
122 <211> LENGTH: 39
123 <212> TYPE: DNA
124 <213> ORGANISM: Artificial Sequence
125 <220> FEATURE:
126 <223> OTHER INFORMATION: PCR primer
127 <400> SEQUENCE: 10
128     acatgtacat gcggccgctt tcagccccag agcggcttt
129                                     39
130 <210> SEQ ID NO: 11
131 <211> LENGTH: 33
132 <212> TYPE: DNA
133 <213> ORGANISM: Artificial Sequence
134 <220> FEATURE:
135 <223> OTHER INFORMATION: PCR primer
136 <400> SEQUENCE: 11
137     tttaatgagg atccacaggt gcagctgcaa gag
138                                     33
139 <210> SEQ ID NO: 12
140 <211> LENGTH: 30
141 <212> TYPE: DNA
142 <213> ORGANISM: Artificial Sequence
143 <220> FEATURE:
144 <223> OTHER INFORMATION: PCR primer
145 <400> SEQUENCE: 12
146     aacgaatgga tcccgtttga tctcaagctt
147                                     30
148 <210> SEQ ID NO: 13
149 <211> LENGTH: 24
150 <212> TYPE: DNA
151 <213> ORGANISM: Artificial Sequence
152 <220> FEATURE:
153 <223> OTHER INFORMATION: oligonucleotide for mutagenesis - removal of a BamH1
154     site

```

RAW SEQUENCE LISTING

DATE: 07/09/2002

PATENT APPLICATION: US/09/706,507A

TIME: 14:56:10

Input Set : N:\AMC\I706507A.raw.txt

Output Set: N:\CRF3\07092002\I706507A.raw

```

155 <400> SEQUENCE: 13
156      caaacgaatg ggtcctcctc atta                                24
158 <210> SEQ ID NO: 14
159 <211> LENGTH: 26
160 <212> TYPE: DNA
161 <213> ORGANISM: Artificial Sequence
162 <220> FEATURE:
163 <223> OTHER INFORMATION: oligonucleotide for mutagenesis - introduction of a
164      BamH1 site
165 <400> SEQUENCE: 14
166      ccrccaccct cggatccrcc accctc                                26
168 <210> SEQ ID NO: 15
169 <211> LENGTH: 15
170 <212> TYPE: PRT
171 <213> ORGANISM: Artificial Sequence
172 <220> FEATURE:
173 <223> OTHER INFORMATION: linker between VH and VLK
174 <400> SEQUENCE: 15
175      Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser
176      1          5          10          15
178 <210> SEQ ID NO: 16
179 <211> LENGTH: 23
180 <212> TYPE: DNA
181 <213> ORGANISM: Artificial Sequence
182 <220> FEATURE:
183 <223> OTHER INFORMATION: primer for reverse transcription
184 <400> SEQUENCE: 16
185      ctggacaggg atccagagtt cca                                23
187 <210> SEQ ID NO: 17
188 <211> LENGTH: 23
189 <212> TYPE: DNA
190 <213> ORGANISM: Artificial Sequence
191 <220> FEATURE:
192 <223> OTHER INFORMATION: primer for reverse transcription
193 <400> SEQUENCE: 17
194      ctggacaggg ctccatagtt cca                                23
196 <210> SEQ ID NO: 18
197 <211> LENGTH: 32
198 <212> TYPE: DNA
199 <213> ORGANISM: Artificial Sequence
200 <220> FEATURE:
201 <223> OTHER INFORMATION: PCR primer
202 <400> SEQUENCE: 18
203      tgaggagacg gtgaccgtgg tcccttggcc cc                        32
205 <210> SEQ ID NO: 19
206 <211> LENGTH: 22
207 <212> TYPE: DNA
208 <213> ORGANISM: Artificial Sequence
209 <220> FEATURE:

```

RAW SEQUENCE LISTING

DATE: 07/09/2002

PATENT APPLICATION: US/09/706,507A

TIME: 14:56:10

Input Set : N:\AMC\I706507A.raw.txt

Output Set: N:\CRF3\07092002\I706507A.raw

```

210 <223> OTHER INFORMATION: PCR primer
211 <400> SEQUENCE: 19
212     aggtsmarct gcagsagtcw gg                                22
214 <210> SEQ ID NO: 20
215 <211> LENGTH: 24
216 <212> TYPE: DNA
217 <213> ORGANISM: Artificial Sequence
218 <220> FEATURE:
219 <223> OTHER INFORMATION: PCR primer
220 <400> SEQUENCE: 20
221     ccgtttgatt tccagcttgg tgcc                                24
223 <210> SEQ ID NO: 21
224 <211> LENGTH: 24
225 <212> TYPE: DNA
226 <213> ORGANISM: Artificial Sequence
227 <220> FEATURE:
228 <223> OTHER INFORMATION: PCR primer
229 <400> SEQUENCE: 21
230     ccgttttatt tccagcttgg tccc                                24
232 <210> SEQ ID NO: 22
233 <211> LENGTH: 24
234 <212> TYPE: DNA
235 <213> ORGANISM: Artificial Sequence
236 <220> FEATURE:
237 <223> OTHER INFORMATION: PCR primer
238 <400> SEQUENCE: 22
239     ccgttttatt tccaactttg tccc                                24
241 <210> SEQ ID NO: 23
242 <211> LENGTH: 24
243 <212> TYPE: DNA
244 <213> ORGANISM: Artificial Sequence
245 <220> FEATURE:
246 <223> OTHER INFORMATION: PCR primer
247 <400> SEQUENCE: 23
248     ccgtttcagc tccagcttgg tccc                                24
250 <210> SEQ ID NO: 24
251 <211> LENGTH: 24
252 <212> TYPE: DNA
253 <213> ORGANISM: Artificial Sequence
254 <220> FEATURE:
255 <223> OTHER INFORMATION: PCR primer
256 <400> SEQUENCE: 24
257     gacattgagc tcacccagtc tcca                                24
259 <210> SEQ ID NO: 25
260 <211> LENGTH: 24
261 <212> TYPE: DNA
262 <213> ORGANISM: Artificial Sequence
263 <220> FEATURE:
264 <223> OTHER INFORMATION: PCR primer

```

RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/09/706,507A

DATE: 07/09/2002
TIME: 14:56:11

Input Set : N:\AMC\I706507A.raw.txt
Output Set: N:\CRF3\07092002\I706507A.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:37; Xaa Pos. 2,4,5
Seq#:38; Xaa Pos. 1,2,4,5
Seq#:75; N Pos. 16,17,18,19,20,21
Seq#:76; N Pos. 16,17,18
Seq#:77; N Pos. 16,17,18

Invalid Line Length:

The rules require that a line not exceed 72 characters in length. This includes spaces.

Seq#:37; Line(s) 375,380
Seq#:38; Line(s) 397,402
Seq#:75; Line(s) 738
Seq#:76; Line(s) 753
Seq#:186; Line(s) 1940
Seq#:264; Line(s) 3569



1600

RAW SEQUENCE LISTING

DATE: 07/09/2002

PATENT APPLICATION: US/09/706,507A

TIME: 14:14:48

Input Set : A:\50017247_1.RTF

Output Set: N:\CRF3\07092002\I706507A.raw

**Does Not Comply
Corrected Diskette Needed**

3 <110> APPLICANT: Cambridge Antibody Technology
 4 Cambridge Antibody Technology Limited
 5 Medical Research Council
 6 McCafferty, John
 7 Pope, Anthony
 8 Johnson, Kevin
 9 Hoogenboom, Hendricus
 10 Griffiths, Andrew
 11 Jackson, Ronald
 12 Holliger, Kasper
 13 Marks, James
 14 Clackson, Timothy
 15 Chiswell, David
 16 Winter, Gregory
 17 Bonert, Timothy
 19 <120> TITLE OF INVENTION: Methods for Producing Members of Specific Binding Pairs
 21 <130> FILE REFERENCE: 13839-00012
 23 <140> CURRENT APPLICATION NUMBER: US 09/706,507A
 24 <141> CURRENT FILING DATE: 2000-11-03
 26 <150> PRIOR APPLICATION NUMBER: GB 9015198.6
 27 <151> PRIOR FILING DATE: 1990-07-10
 29 <150> PRIOR APPLICATION NUMBER: GB 9022845.3
 30 <151> PRIOR FILING DATE: 1990-10-19
 W--> 32 <150> PRIOR APPLICATION NO: GB 9022845.3 *delete (duplicate)*
 33 <151> PRIOR FILING DATE: 1990-10-19
 35 <150> PRIOR APPLICATION NUMBER: GB 9024503.6
 36 <151> PRIOR FILING DATE: 1990-11-12
 38 <150> PRIOR APPLICATION NUMBER: GB 9104744.9
 39 <151> PRIOR FILING DATE: 1991-03-06
 41 <150> PRIOR APPLICATION NUMBER: GB 9110549.4
 42 <151> PRIOR FILING DATE: 1991-05-15
 44 <150> PRIOR APPLICATION NUMBER: PCT/GB91/01134
 45 <151> PRIOR FILING DATE: 1991-07-10
 47 <150> PRIOR APPLICATION NUMBER: US 07/971,857
 48 <151> PRIOR FILING DATE: 1993-01-08
 50 <150> PRIOR APPLICATION NUMBER: US 08/484,893
 51 <151> PRIOR FILING DATE: 1995-06-07
 53 <160> NUMBER OF SEQ ID NOS: 272
 55 <170> SOFTWARE: PatentIn version 3.1

ERRORED SEQUENCES

RAW SEQUENCE LISTING

DATE: 07/09/2002

PATENT APPLICATION: US/09/706,507A

TIME: 14:14:49

Input Set : A:\50017247_1.RTF

Output Set: N:\CRF3\07092002\I706507A.raw

5593 <210> SEQ ID NO: 272

5594 <211> LENGTH: 15

5595 <212> TYPE: PRT

5596 <213> ORGANISM: Artificial Sequence

5598 <220> FEATURE:

5599 <223> OTHER INFORMATION: linker between VH-HuH1 and VK-HuK3

5601 <400> SEQUENCE: 272

5603 Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser

5604 1 5 10 15

E--> 5607 - 2 -

VERIFICATION SUMMARY

DATE: 07/09/2002

PATENT APPLICATION: US/09/706,507A

TIME: 14:14:50

Input Set : A:\50017247_1.RTF

Output Set: N:\CRF3\07092002\I706507A.raw

L:32 M:288 W: Application Number is Repeated, <150> PRIOR APPLICATION NUMBER
L:512 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:37 after pos.:0
L:541 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:38 after pos.:0
L:995 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:75 after pos.:0
L:1014 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:76 after pos.:0
L:1033 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:77 after pos.:0
L:5607 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:272